

Title (en)
Slideable vascular filter

Title (de)
Verschiebbarer vaskulärer Filter

Title (fr)
Filtre vasculaire coulissant

Publication
EP 1402848 B2 20181024 (EN)

Application
EP 03078893 A 19990827

Priority
• EP 03078893 A 19990827
• EP 99945357 A 19990827
• US 9919942 W 19990827

Abstract (en)
[origin: EP1402848A1] The medical device has a mandrel (20) with a stop (40) proximal the distal end. A vascular filter (50) has a radially expandable body with proximal and distal sliders (65,60), the proximal slider being slidably carried along the proximal length of the mandrel, and the distal slider being carried along the distal length of the mandrel. The sliders slide independently along the mandrel so that the distance between them can be varied to effect different configurations of the functional element. Independent claims are included for a filter system, and a method of employing the device, respectively.

IPC 8 full level
A61B 17/00 (2006.01); **A61F 2/01** (2006.01); **A61B 17/12** (2006.01); **A61F 2/00** (2006.01)

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A61F 2230/0006 (2013.01 - EP US); **A61F 2250/0098** (2013.01 - EP US)

Citation (opposition)
Opponent :
• WO 0105329 A1 20010125 - BAFF LLC [US]
• WO 9424946 A1 19941110 - SCIMED LIFE SYSTEMS INC [US]
• US 5490859 A 19960213 - MISCHKE HANS A [US], et al

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US10463468B2; US11298144B2

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WO 0115629 A1 20010308; AT E256436 T1 20040115; AT E410975 T1 20081015; AU 5796899 A 20010326; DE 69913746 D1 20040129;
DE 69913746 T2 20041007; DE 69939753 D1 20081127; EP 1210032 A1 20020605; EP 1210032 B1 20031217; EP 1402848 A1 20040331;
EP 1402848 B1 20081015; EP 1402848 B2 20181024; ES 2209503 T3 20040616; ES 2311670 T3 20090216; JP 2003508114 A 20030304;
JP 4298949 B2 20090722; US 2002111648 A1 20020815; US 2002123720 A1 20020905; US 2005203569 A1 20050915;
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DOCDB simple family (application)
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JP 2001519844 A 19990827; US 201113023809 A 20110209; US 201213459985 A 20120430; US 201514621442 A 20150213;
US 2031408 A 20080125; US 51699006 A 20060907; US 6027102 A 20020130; US 62405509 A 20091123; US 62921209 A 20091202;
US 8141005 A 20050316; US 84250407 A 20070821; US 8426302 A 20020227